

AMENDMENTS TO THE CLAIMS

Please amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as canceled:

Claims 1- 3 (Canceled)

Claim 4 (Currently amended): A method comprising:

receiving by a communication terminal an encoded message;

de-interleaving a portion of decoding the encoded message based on fewer received symbols than a number of symbols of the encoded message to provide a decoded de-interleaved message;

~~correcting errors in the decoded message to provide an error corrected message;~~

decoding the encoded message, by combining the de-interleaved message with a priori data based on an expected content of the encoded message, error
~~corrected message to provide a decoded error corrected message; and~~

determining whether or not to move the communication terminal to a sleep condition based on a content of the decoded ~~error corrected~~ message.

Claim 5 (Canceled)

Claim 6 (Canceled)

Claim 7 (Previously presented): A method according to claim 4, wherein receiving comprises receiving symbols over a paging channel.

Claim 8 (Canceled)

Claim 9 (Canceled)

Claim 10 (Currently amended): A method according to claim 4, wherein the decoding is completed before receiving all the symbols ~~in the frame of~~
the encoded message.

- Claim 11 (Previously presented): A method according to claim 4, wherein the decoding is performed using a predetermined number of received symbols.
- Claim 12 (Previously presented): A method according to claim 4, wherein the decoding is performed using an adaptively adjusted number of received symbols.
- Claim 13 (Previously presented): A method according to claim 12, wherein the decoding comprises decoding using a number of received symbols adjusted responsive to an estimate of the quality of a channel over which the encoded message is received.
- Claim 14 (Original): A method according to claim 12, wherein decoding using the adaptively adjusted number of symbols comprises decoding using a number of received symbols adjusted responsive to a rate of decoding successes of previously received messages.
- Claim 15 (Original): A method according to claim 12, wherein the decoding comprises decoding using a number of received symbols adjusted responsive to a confidence margin of one or more previous decoding.
- Claim 16 (Previously presented): A method according to claim 4, wherein the decoding comprises decoding using the lowest number of received symbols which ensures a predetermined rate of success in decoding the encoded message.
- Claim 17 (Currently amended): A method according to claim 4, comprising: receiving symbols of the encoded message while decoding the content of the message.
- Claim 18 (Previously presented): A method according to claim 17, comprising decoding the encoded message a second time using more received symbols than used in the previous decoding.
- Claim 19 (Previously presented): A method according to claim 18, wherein decoding the encoded message the second time is performed only if the first decoding failed.

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Claim 20 (Previously presented): A method according to claim 18, wherein decoding the encoded message the second time comprises using a number of received symbols determined responsive to results of the previous decoding.

Claim 21 (Previously presented): A method according to claim 4, wherein receiving the symbols comprises receiving during an idle mode of the communication terminal.

Claim 22 (Canceled)

Claim 23 (Currently amended): A method comprising:

receiving at a communication terminal symbols of a frame of an encoded message over a transmission channel;

determining a number of received symbols responsive to the channel on which the symbols are received, ~~wherein the determined number is less than the number of symbols in the frame for at least some of the received messages;~~

de-interleaving the determined number of symbols to provide a de-interleaved message; and

~~correcting error in the determined number of received symbols based on information received from an error detection bit; and~~

decoding the frame by combining the de-interleaved message with a priori data related to a stored content of a successfully decoded message using the determined number of received symbols.

Claim 24 (Previously presented): A method according to claim 23, wherein determining the number of received symbols comprises determining the number of received symbols responsive to whether the communication terminal is in idle mode.

Claim 25 (Previously presented): A method according to claim 23, wherein determining the number of received symbols comprises determining the number of received symbols responsive to success rates in decoding previously received frames.

Claim 26 (Canceled)

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Claim 27 (Previously presented): A method according to claim 23, wherein determining the number of received symbols comprises determining fewer symbols than a total number of symbols in the frame.

Claim 28 (Currently amended): A receiver comprising:

a demodulator to provide a quality indicator based on received symbols of a frame of a transmitted encoded message;

~~a decoder to decode the frame based on at least some of the received symbols; and~~

control circuitry to determine based on the quality indicator ~~how many~~ a number of received symbols of the frame ~~are to be~~ used in decoding the frame, ~~the determined number being fewer than the number of symbols in the frame for at least some of the decoded frames;~~

a de-interleaver unit to de-interleave the determined number of symbols;

a filler unit to provide padding symbols based on an expected content of the frame; and

a decoder to decode the frame based on the determined number of symbols provided by the de-interleaver unit and the padding symbols provided by the filler unit.

Claim 29 (Currently amended) A receiver according to claim 28, ~~comprising a~~ wherein the filler unit which provides the padding symbols based on accumulated statistic of values of received frames to the decoder in order to complete the received symbols to a complete frame.

Claim 30 (Currently amended): A method comprising:

receiving encoded symbols of a frame of a transmitted encoded message;

de-interleaving a portion of the received symbols of the frame to provide de-interleaved received symbols;

altering the values of at least one of the received symbols of the frame, based on a priori data, to correspond to values of an expected message type; and

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decoding the frame based on the altered values and the de-interleaved received symbols.

Claim 31 (Original): A method according to claim 30, wherein receiving the encoded symbols comprises receiving fewer than the number of symbols in the frame.

Claim 32 (Canceled)

Claim 33 (Original): A method according to claim 30, wherein altering the values of at least one of the symbols comprises altering irrespective of the received values.

Claim 34 (Original): A method according to claim 30, wherein altering the values of at least one of the symbols comprises altering responsive to the received values.

Claim 35 (Original): A method according to claim 34, wherein the received encoded symbols comprise soft data and wherein altering the values of at least one of the symbols comprises raising the confidence values of symbols whose values coincide with values of an expected message type.

Claim 36 (Original): A method according to claim 34, wherein the received encoded symbols comprise soft data and wherein altering the values of at least one of the symbols comprises lowering the confidence values of symbols whose values do not coincide with values of an expected message type.

Claim 37 (Original): A method according to claim 30, wherein altering the values of at least one of the symbols comprises altering the values provided the frame is altered less than an allowed extent.

Claim 38 (Original): A method according to claim 37, wherein altering the values of at least one of the symbols comprises determining a number of symbols which are to be altered and altering the frame only if the determined number of symbols is lower than an allowed number.

Claim 39 (Original): A method according to claim 30, comprising checking the decoded frame based on an error detection code to determine whether the decoding was successful.

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Claim 40 (Original): A method according to claim 39, comprising performing an additional decoding attempt if the decoding was not successful.

Claim 41 (Original) A method according to claim 40, wherein the additional decoding attempt is performed without altering values of any of the symbols.

Claim 42 - 51 (Canceled)